

Application No.: 10/083,003

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method of locating devices on a network, comprising:
identifying a group name associated with a device to be discovered on the network,
wherein the group name ~~which~~ may be associated with multiple devices having multiple
addresses on the network;

creating a list of known subnets and known devices on the network;

querying a name server on at least one of the known subnets for a list of IP addresses
associated with the group name and obtaining a list of returned addresses associated with devices
associated with the group name;

contacting each returned address associated with the group name for the ~~discovered~~
returned device's IP subnet information;

determining which of the returned devices is the discovered device;

determining the discovered device's subnet; and

adding the discovered device and its subnet to the list of known subnets and known
devices on the network.

2. (Currently Amended) The method of claim 1, further comprising:
using another discovery protocol to find additional devices on each identified subnet; and
adding each discovered device to the list of known subnets and known devices on the
network.

3. (Original) The method of claim 1, wherein the discovered device's IP subnet
information comprises its IP netmask and its IP router address.

4. (Original) The method of claim 1, wherein the group name comprises one or

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more of a device manufacturer, a model name and a model number.

5. (Original) The system of claim 2, wherein the discovery protocol comprises a broadcast-based discovery protocol.

6. (Currently Amended) A system for network device location, comprising:
an address server for associating IP addresses of devices on the network with a group name, wherein the group name which may be associated with multiple devices having multiple addresses on the network;

a discoverable device located on a first subnet of the network, wherein the discoverable device has an IP address, and wherein the discoverable device's IP address is associated with the group name; and

a discovering device, located on a second subnet of the network, for creating a list of known subnets and known devices on the network; for querying the name server for a list of IP addresses associated with the group name and obtaining a list of returned addresses associated with devices associated with the group name; for contacting each returned address of ~~a~~ each discoverable device associated with the group name for ~~the~~ each discoverable device's IP subnet information; for determining which of the returned devices is the discoverable device; for determining the discoverable device's subnet; and for adding the discoverable device and its subnet to the list.

7. (Currently Amended) The system of claim 6, wherein the discovering device further comprises a discovery protocol for finding additional devices on each identified subnet; and for adding each discovered device to the list of known subnets and known devices on the network.

8. (Original) The system of claim 6, wherein the discovered device's IP subnet information comprises its IP netmask and its IP router address.

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9. (Currently Amended) The system of claim 6, wherein the group name comprises at least one of a device manufacturer, a device model name and a model number.

10. (Original) The system of claim 6, wherein the name server comprises a WINS server.

11. (Original) The system of claim 7, wherein the discovery protocol comprises a broadcast-based discovery protocol.